IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **LIANG, Zicai, et al.**

Serial No.: **10/517,324**

Filed: **December 20, 2004**

Group Art Unit: **1645**

Examiner: **Not assigned**

For: **RANDOMIZED DNA LIBRARIES AND DOUBLE-STRANDED RNA LIBRARIES, USE AND METHOD OF PRODUCTION THEREOF**

PETITION TO REVIVE UNDER 37 C.F.R. 1.137(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: May 14, 2007

Dear Sir:

Applicants hereby petition to revive the above-identified application which was mistakenly abandoned by the U.S. Patent and Trademark Office. Since a Notice of Abandonment has not yet been received by the applicants, the applicants are filing this Petition in lieu of a Request for Reinstatement. Attached hereto is a copy of the Transaction History page in the Patent Application Information Retrieval (PAIR) from the U.S. Patent and Trademark Office website, which indicates that the status of the subject application was abandoned on November 3, 2006.

In view of the fact that the application was mistakenly abandoned, and that a proper response to the Notification of Defective Response was filed on May 12, 2006 in timely manner, it is respectfully requested that this petition be granted and the $500.00 Petition fee be refunded. Copies of the Response as well as the Image File Wrapper page which shows the filing of the Response, are attached for your reference.

Enclosed is our check in the amount of $500.00 for the petition fee herein.

In the event that any additional fees are due with respect to this paper, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP

James E. Armstrong, IV
Attorney for Applicant
Reg. No. 42,266

JAM/aoa
Atty. Docket No. **040679**
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930

23850
PATENT TRADEMARK OFFICE

Enclosures: Transaction History page and Image File Wrapper page in the PAIR;
Response filed May 12, 2006

| 10/517,324 | Randomized dna libraries and double-stranded rna libraries use and method of production thereof | 05-04-2007::10:43:47 |

Transaction History

Date	Transaction Description
11-03-2006	Abandonment -- Inc. Application under Rule 53(b) - Filing Fee Paid
07-13-2006	CRF Is Flawed Technically / Not Entered into Database
06-27-2006	Cleared by OIPE CSR
06-27-2006	Cleared by OIPE CSR
06-27-2006	Cleared by OIPE CSR
06-27-2006	Cleared by OIPE CSR
06-27-2006	Cleared by OIPE CSR
06-27-2006	Cleared by OIPE CSR
06-26-2006	Cleared by OIPE CSR
06-26-2006	Cleared by OIPE CSR
06-26-2006	Cleared by OIPE CSR
04-12-2006	Notice of DO/EO Defective Response Mailed.
09-23-2005	Additional Application Filing Fees
09-23-2005	A set of symbols and procedures, provided to the PTO on a set of computer listings, that describe in
04-06-2006	CRF Is Flawed Technically / Not Entered into Database
07-26-2005	Sequence disclosure problems
01-03-2005	CRF Is Flawed Technically / Not Entered into Database
12-20-2004	CRF Disk Has Been Received by Preexam / Group / PCT
12-20-2004	Initial Exam Team nn

Close Window

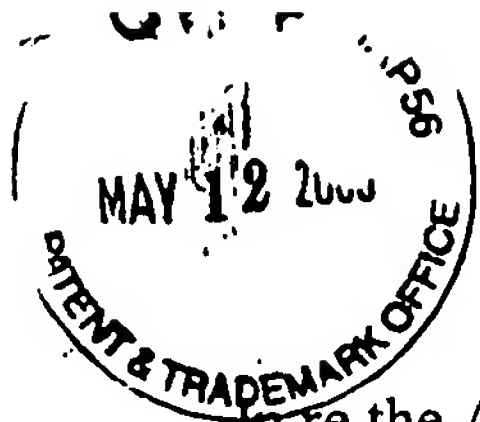| 10/517,324	Randomized dna libraries and double-stranded rna libraries use and method of production thereof	05-04-2007::10:43:1

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

Available Documents

	Document Description	Document Category	Page Count
03-22-2007	**Request for status of Application**	PROSECUTION	2
11-27-2006	NPL Documents	PRIOR ART	2
11-27-2006	NPL Documents	PRIOR ART	2
11-27-2006	NPL Documents	PRIOR ART	7
11-27-2006	NPL Documents	PRIOR ART	2
11-27-2006	NPL Documents	PRIOR ART	5
11-27-2006	NPL Documents	PRIOR ART	3
11-27-2006	NPL Documents	PRIOR ART	8
11-27-2006	NPL Documents	PRIOR ART	3
11-27-2006	NPL Documents	PRIOR ART	9
11-27-2006	NPL Documents	PRIOR ART	6
11-27-2006	NPL Documents	PRIOR ART	8
11-27-2006	NPL Documents	PRIOR ART	6
11-27-2006	NPL Documents	PRIOR ART	8
11-27-2006	NPL Documents	PRIOR ART	29
11-27-2006	NPL Documents	PRIOR ART	5
11-27-2006	NPL Documents	PRIOR ART	5
11-27-2006	NPL Documents	PRIOR ART	8
11-27-2006	NPL Documents	PRIOR ART	10
11-27-2006	NPL Documents	PRIOR ART	2
11-27-2006	NPL Documents	PRIOR ART	8
11-27-2006	NPL Documents	PRIOR ART	11
11-27-2006	Information Disclosure Statement (IDS) Filed	PROSECUTION	9
11-27-2006	Foreign Reference	PRIOR ART	146
11-27-2006	Foreign Reference	PRIOR ART	100
11-27-2006	Foreign Reference	PRIOR ART	56
11-27-2006	Foreign Reference	PRIOR ART	55
11-27-2006	Foreign Reference	PRIOR ART	53
11-27-2006	Foreign Reference	PRIOR ART	127
11-27-2006	Foreign Reference	PRIOR ART	28
11-27-2006	Foreign Reference	PRIOR ART	3
11-27-2006	Foreign Reference	PRIOR ART	104
11-27-2006	Foreign Reference	PRIOR ART	76
11-27-2006	Foreign Reference	PRIOR ART	95
11-27-2006	Foreign Reference	PRIOR ART	25
11-27-2006	Foreign Reference	PRIOR ART	110
11-27-2006	Foreign Reference	PRIOR ART	25
11-03-2006	Miscellaneous Internal Document	PROSECUTION	1
09-28-2006	Request for status of Application	PROSECUTION	1
07-06-2006	Computer Readable Form (CRF) for Sequence Listing - Defective	PROSECUTION	7
06-30-2006	Specification	PROSECUTION	1
06-30-2006	Sequence Listing	PROSECUTION	8
06-30-2006	Preliminary Amendment	PROSECUTION	1
06-30-2006	CRF Statement Paper and CRF are the same	PROSECUTION	1
06-30-2006	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	1
05-12-2006	Sequence Listing	PROSECUTION	7
05-12-2006	Miscellaneous Incoming Letter	PROSECUTION	4
05-12-2006	CRF Sequence Listing Filed	PROSECUTION	7
04-12-2006	Notice of DO/EO Missing Requirements Mailed	PROSECUTION	2

03-31-2006	CRF Sequence Listing Filed	PROSECUTION	7
03-29-2006	Request for status of Application	PROSECUTION	1
09-26-2005	Sequence Listing	PROSECUTION	8
09-26-2005	Miscellaneous Incoming Letter	PROSECUTION	4
09-26-2005	CRF Sequence Listing Filed	PROSECUTION	10
07-26-2005	Notice of DO/EO Missing Requirements Mailed	PROSECUTION	2
01-25-2005	NPL Documents	PROSECUTION	2
01-25-2005	Information Disclosure Statement (IDS) Filed	PROSECUTION	3
12-28-2004	CRF Sequence Listing Filed	PROSECUTION	10
12-20-2004	Transmittal of New Application	PROSECUTION	3
12-20-2004	Specification	PROSECUTION	14
12-20-2004	Specification	PROSECUTION	12
12-20-2004	Sequence Listing	PROSECUTION	11
12-20-2004	Preliminary Amendment	PROSECUTION	1
12-20-2004	Oath or Declaration filed	PROSECUTION	2
12-20-2004	Oath or Declaration filed	PROSECUTION	2
12-20-2004	NPL Documents	PRIOR ART	4
12-20-2004	NPL Documents	PRIOR ART	7
12-20-2004	NPL Documents	PRIOR ART	11
12-20-2004	NPL Documents	PRIOR ART	3
12-20-2004	NPL Documents	PRIOR ART	9
12-20-2004	Miscellaneous Internal Document	PROSECUTION	2
12-20-2004	Information Disclosure Statement (IDS) Filed	PROSECUTION	2
12-20-2004	Foreign Reference	PRIOR ART	42
12-20-2004	Foreign Reference	PRIOR ART	41
12-20-2004	Foreign Reference	PRIOR ART	163
12-20-2004	Foreign Reference	PRIOR ART	56
12-20-2004	Foreign Reference	PRIOR ART	75
12-20-2004	Foreign Reference	PRIOR ART	98
12-20-2004	Foreign Reference	PRIOR ART	35
12-20-2004	Fee Worksheet (PTO-06)	PROSECUTION	1
12-20-2004	Fee Worksheet (PTO-06)	PROSECUTION	1
12-20-2004	Drawings	PROSECUTION	5
12-20-2004	Drawings	PROSECUTION	5
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	1
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	3
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	4
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	8
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	3
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	9
12-20-2004	Documents submitted with 371 Applications	PROSECUTION	6
12-20-2004	Claims Worksheet (PTO-2022)	PROSECUTION	1
12-20-2004	Claims	PROSECUTION	3
12-20-2004	Claims	PROSECUTION	6
12-20-2004	Claims	PROSECUTION	3
12-20-2004	CRF Sequence Listing Filed	PROSECUTION	1
12-20-2004	Applicant Arguments/Remarks Made in an Amendment	PROSECUTION	1
12-20-2004	Abstract	PROSECUTION	1
12-20-2004	Abstract	PROSECUTION	1

Close Window

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: LIANG, Zicai, et al.

Serial No.: **10/517,324**

Filed: **December 20, 2004**

ATTN: BOX MISSING PARTS

Group Art Unit: **1645**

P.T.O. Confirmation No.: **7597**

For. **RANDOMIZED DNA LIBRARIES AND DOUBLE-STRANDED RNA LIBRARIES, USE AND METHOD OF PRODUCTION THEREOF**

RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE

Commissioner for Patents
P.O. Box 1450
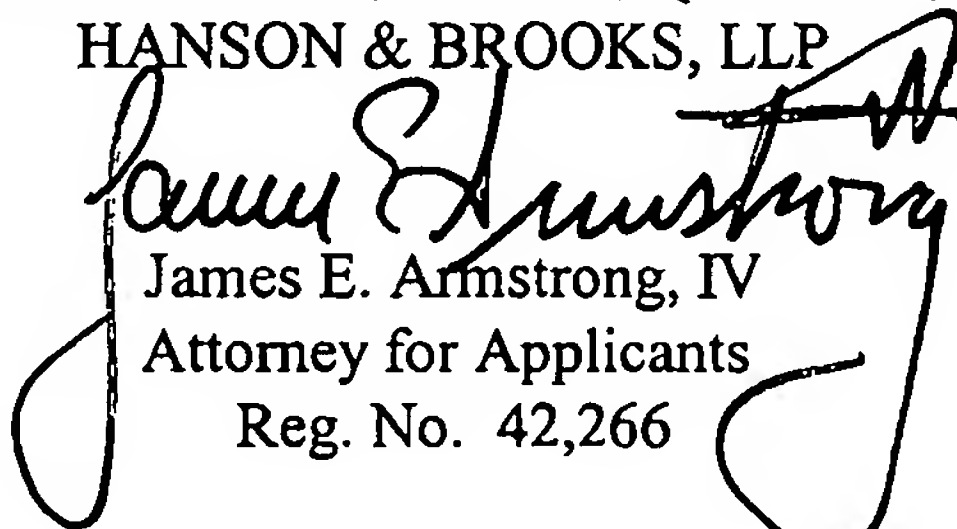Alexandria, VA 22313-1450

May 12, 2006

Dear Sir:

In response to the Notification of Defective Response dated **April 12, 2006**, we are submitting herewith a corrected Sequence Listing for the above-identified application both in paper copy form and in a computer readable form.

The name of the file on the computer readable form is entitled **Docket No. 040679 corrected Sequence Listing.** The paper copy form and the computer readable form are the same. It is respectfully submitted that the paper copy sequence listing and the computer readable form sequence listing add no new matter.

In the event there are any fees required, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP

James E. Armstrong, IV
Attorney for Applicants
Reg. No. 42,266

JAM/rmp
Atty. Docket No. **040679**
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930

23850
PATENT TRADEMARK OFFICE

Enclosures: Notification of Defective Response
Corrected Paper Copy Form Sequence Listing
Corrected Computer Readable Form Sequence Listing

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **LIANG, Zicai, et al.**   **ATTN: MAIL STOP MISSING PARTS**

Serial No.: **10/517,324**   Group Art Unit: **1645**

Filed: **December 20, 2004**   P.T.O. Confirmation No.: **7597**

For: **RANDOMIZED DNA LIBRARIES AND DOUBLE-STRANDED RNA
LIBRARIES, USE AND METHOD OF PRODUCTION THEREOF**

STATEMENT VERIFYING SEQUENCE LISTING
SUBMISSION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450   May 12, 2006
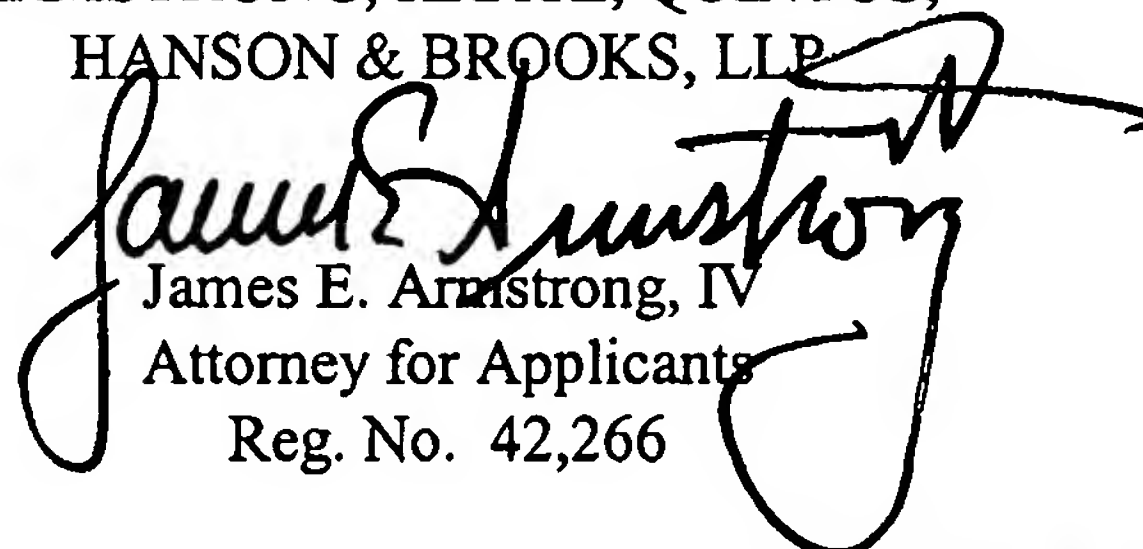
Dear Sir:

Submitted herewith is the corrected Sequence Listing for the above-identified application both in a paper copy form and in a computer readable form.

The name of the file on the computer readable form is **Docket No. 040679 corrected Sequence Listing.** The paper copy and the computer readable form are the same. It is respectfully submitted the paper copy and the computer readable form add no new matter.

In the event there are any fees required, please charge our Deposit Account No. 01-2340.

Respectfully submitted,

ARMSTRONG, KRATZ, QUINTOS,
HANSON & BROOKS, LLP

James E. Armstrong, IV
Attorney for Applicants
Reg. No. 42,266

JAM/rmp
Atty. Docket No. **040679**
Suite 1000
1725 K Street, N.W.
Washington, D.C. 20006
(202) 659-2930

23850
PATENT TRADEMARK OFFICE

Enclosures: Statement Verifying Sequence Listing Submission
Corrected Paper Form Sequence Listing
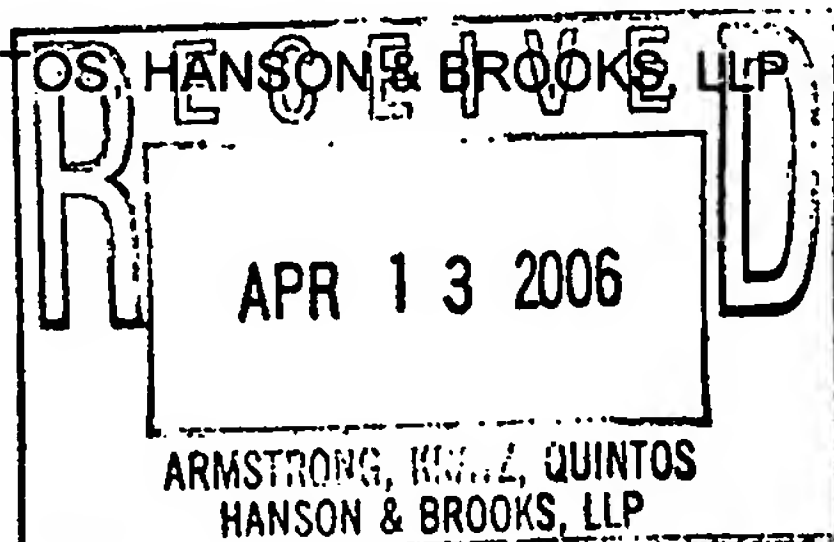Corrected Computer Readable Form Sequence Listing

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/517,324	Zicai Liang	040679

INTERNATIONAL APPLICATION NO.	
PCT/SE03/01077	
I.A. FILING DATE	PRIORITY DATE
06/23/2003	06/21/2002

23850
ARMSTRONG, KRATZ, QUINTOS HANSON & BROOKS, LLP
1725 K STREET, NW
SUITE 1000
WASHINGTON, DC 20006

RECEIVED
APR 1 3 2006
ARMSTRONG, KRATZ, QUINTOS
HANSON & BROOKS, LLP

CONFIRMATION NO. 7597
371 FORMALITIES LETTER

OC000000018501558

1 mo Response
Due: MAY 12, 2006 NON-EXT.

Date Mailed: 04/12/2006

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 12/20/2004
- Copy of the International Search Report filed on 12/20/2004
- Copy of IPE Report filed on 12/20/2004
- Copy of Annexes to the IPER filed on 12/20/2004
- Preliminary Amendments filed on 12/20/2004
- Information Disclosure Statements filed on 12/20/2004
- Biochemical Sequence Diskette filed on 12/20/2004
- Oath or Declaration filed on 12/20/2004
- Biochemical Sequence Listing filed on 09/23/2005
- Request for Immediate Examination filed on 12/20/2004
- U.S. Basic National Fees filed on 12/20/2004
- Assignment filed on 12/20/2004
- Priority Documents filed on 12/20/2004

Applicant's response filed 09/23/2005 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 07/26/2005 have not been completed.

- The paper or compact disc copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Applicant must provide a substitute paper or compact disc copy of the "Sequence Listing", **as well as an amendment specifically directing its entry into the application** OR a substitute computer readable form (CRF) copy of the "Sequence Listing". These two items must be the same. Applicant must also provide a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

DOCKETED

DATE _____ 4/14/06

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/517,324	PCT/SE03/01077	040679

FORM PCT/DO/EO/916 (371 Formalities Notice)

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/817,324 A

Source: PCT

Date Processed by STIC: 3/31/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10 517,324 A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4____Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5____Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7____Skipped Sequences (OLD RULES) — Sequence(s)_____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11____Use of <220> — Sequence(s) 34 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid
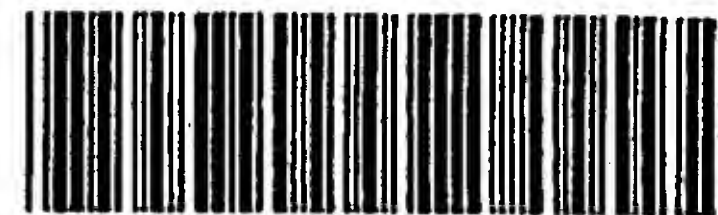
PCT

RAW SEQUENCE LISTING   DATE: 03/31/2006
PATENT APPLICATION: US/10/517,324A   TIME: 15:26:22

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\03312006\J517324A.raw

```
      3 <110> APPLICANT: SinoGenoMax Company Ltd
W-->  4 <120> TITLE OF INVENTION: Randomised DNA libraries and double-stranded RNA libraries,
use and
W-->  5       method of production thereof
W-->  6 <130> FILE REFERENCE: P06031PC00
W-->  7 <140> CURRENT APPLICATION NUMBER: PCT/SE2003/001077A
C-->  8 <141> CURRENT FILING DATE: 2004-12-20
      9 <150> PRIOR APPLICATION NUMBER: US 60/390,108
     10 <151> PRIOR FILING DATE: 2002-06-21
W--> 11 <160> NUMBER OF SEQ ID: 45
     12 <170> SOFTWARE: PatentIn version 3.1
```

Does Not Comply
Corrected Diskette Needed
(PJ.1-3)

ERRORED SEQUENCES

```
    314 <210> SEQ ID NO: 34
    315 <211> LENGTH: 19
    316 <212> TYPE: DNA
    317 <213> ORGANISM: Artificial Sequence
    318 <221> NAME/KEY: misc_feature
    319 <222> LOCATION: (1)...(19)
W--> 320 <220> FEATURE:
    320 <223> OTHER INFORMATION: n= a, "t", "c", or "g"
E--> 321 <400> SEQUENCE: 34
W--> 322 nnnnnnnnnn nnnnnnnnn                                    19
```

pls explain source of genetic material.

pls insert

See item #11 on error summary sheet

See item # 11 on error summary sheet.

What is the source of genetic material?

```
<210>  25
<211>  35
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  Cleaved from SEQ ID NO 8
<220>
<221>  misc_feature
<222>  (11)... (29)
<223>  n= a, "t", "c", or"g"
<400>  25
gatctaaaaa nnnnnnnnnn nnnnnnnnnt tttta                    35
<210>  26
<211>  35
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  Cleaved from SEQ ID NO 24
<220>
<221>  misc_feature
<222>  (7)... (25)
<223>  n= a, "t", "c", or"g"
<400>  26
atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcga                    35
<210>  27
<211>  50
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  DNA/RNA sequence
<400>  27
ggggaagatc taaaaaaata aatgaatcaa gaacattttt aagcttgggg    50
```

Same error

Invalid Response

See item # 11 on error summary sheet.

```
<211>  26
<212>  DNA
<213>  Artificial Sequence
<220>
<223>  (Adopter)          — Invalid Response
<400>  36
agcttactgc acccgggat cctgtt                                    26
```

See item #11 on
error summary sheet.

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VERIFICATION SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: US/10/517,324A   TIME: 15:26:23

Input Set : A:\PTO.SS.txt
Output Set: N:\CRF4\03312006\J517324A.raw

```
L:4 M:283 W: Missing Blank Line separator, <120> field identifier
L:6 M:283 W: Missing Blank Line separator, <130> field identifier
L:7 M:283 W: Missing Blank Line separator, <140> field identifier
L:7 M:270 C: Current Application Number differs, Replaced Current Application Number
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:11 M:283 W: Missing Blank Line separator, <160> field identifier
L:13 M:283 W: Missing Blank Line separator, <210> field identifier
L:17 M:283 W: Missing Blank Line separator, <220> field identifier
L:19 M:283 W: Missing Blank Line separator, <400> field identifier
L:25 M:283 W: Missing Blank Line separator, <220> field identifier
L:27 M:283 W: Missing Blank Line separator, <400> field identifier
L:33 M:283 W: Missing Blank Line separator, <220> field identifier
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:37 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:40 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:40 M:283 W: Missing Blank Line separator, <400> field identifier
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:62 M:283 W: Missing Blank Line separator, <220> field identifier
L:64 M:283 W: Missing Blank Line separator, <400> field identifier
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L:80 M:283 W: Missing Blank Line separator, <400> field identifier
L:86 M:283 W: Missing Blank Line separator, <220> field identifier
L:88 M:283 W: Missing Blank Line separator, <400> field identifier
L:94 M:283 W: Missing Blank Line separator, <220> field identifier
L:95 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:98 M:283 W: Missing Blank Line separator, <400> field identifier
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:104 M:283 W: Missing Blank Line separator, <220> field identifier
L:105 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:108 M:283 W: Missing Blank Line separator, <400> field identifier
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:114 M:283 W: Missing Blank Line separator, <220> field identifier
L:115 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:118 M:283 W: Missing Blank Line separator, <400> field identifier
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:124 M:283 W: Missing Blank Line separator, <220> field identifier
L:126 M:283 W: Missing Blank Line separator, <400> field identifier
L:132 M:283 W: Missing Blank Line separator, <220> field identifier
L:134 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:283 W: Missing Blank Line separator, <220> field identifier
L:142 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:283 W: Missing Blank Line separator, <220> field identifier
L:150 M:283 W: Missing Blank Line separator, <400> field identifier
L:156 M:283 W: Missing Blank Line separator, <220> field identifier
L:158 M:283 W: Missing Blank Line separator, <400> field identifier
L:164 M:283 W: Missing Blank Line separator, <220> field identifier
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VERIFICATION SUMMARY   DATE: 03/31/2006
PATENT APPLICATION: US/10/517,324A   TIME: 15:26:23

Input Set : **A:\PTO.SS.txt**
Output Set: **N:\CRF4\03312006\J517324A.raw**

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L:206 M:283 W: Missing Blank Line separator, <400> field identifier
L:212 M:283 W: Missing Blank Line separator, <220> field identifier
L:214 M:283 W: Missing Blank Line separator, <400> field identifier
L:220 M:283 W: Missing Blank Line separator, <220> field identifier
L:229 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:320 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:321 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:34
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:354 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:38
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
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<130>   P06031PC00
<140>   PCT/SE2003/001077
<141>   2003-06-23
<150>   US 60/390,108
<151>   2002-06-21
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gttctgggaa atcaccataa acgtgaaatg tctttggatt tgggaatctt ataagttctg   180

tatgagacag atcttcaata ttggccatta gccatattat tcattggtta tatagcataa   240

atcaatattg gctattggcc attgcatacg ttgtatctat atcataatat gtacatttat   300

attggctcat gtccaatatg accgccatgt tggcattgat tattgactag ttattaatag   360

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<400>   13
aatcgtctta tttgcatgc                                              19
<210>   14
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aattgacatg tgagcttgg                                              19
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<223>   19 base pair clone
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agtagcttgt tgaggttgg                                              19
<210>   16
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<223>   19 base pair clone
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cagcatcact gtatgtgtc                                              19
<210>   17
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ctatcttcgt ggaggttgg                                              19
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ctatgaaggt ggtgatgcg                                              19
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tggctgtatg tgagtggct   19
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ttaatctctg gtgtcctaa   19
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ttgtagggac ttggatgat   19
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<400>   23
aaaaattcga acccc   15
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<223>   n= a, "t", "c", or"g"
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ccccttctag atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcgaacccc   50
<210>   25
<211>   35
<212>   DNA
<213>   Artificial Sequence/Synthetic Construct
<220>
<221>   misc_feature
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<223>   n= a, "t", "c", or"g"
<400>   25
gatctaaaaa nnnnnnnnnn nnnnnnnnnt tttta   35
<210>   26
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atttttnnnn nnnnnnnnnn nnnnnaaaaa ttcga   35

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<211>   50
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<213>   Artificial Sequence/Synthetic Construct
<220>
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ggggaagatc taaaaaaata aatgaatcaa gaacattttt aagcttgggg          50
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ccccttctag attttttttat ttacttagtt cttgtaaaaa ttcgaacccc          50
<210>   29
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gatctaaaaa aataaatgaa tcaagaacat tttta                         35
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attttttttat ttacttagtt cttgtaaaaa ttcga                        35
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ttcaagaga                                                       9
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aagttctct                                                       9
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acaaagcttt tccaaaaa                                             18
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<220>
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<400>  34
nnnnnnnnnn nnnnnnnnn                                                    19
<210>  35
<211>  36
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<223>  DNA/RNA hairpin
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cacacgtgtc ttcgaacaca atgctaatct cttgaa                                36
210>  36
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<220>
<223>  Adapter linker
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agcttactgc acccgggggat cctgtt                                          26
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<213>  Artificial Sequence
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<223>  Primer
<400>  37
aactggatcc ccggggtgca g                                                21
<210>  38
<211>  64
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<220>
<221>  misc-feature
<222>  (8)...(26)
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<222>  (36)... (54)
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gaaa                                                                   64
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gggnnnnnnn nnnnnnnnnn nnaagttctc tnnnnnnnnn nnnnnnnnnn aaaaaccttt       60
tcga                                                                   64
<210>  40
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```
<212>   DNA
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<223>   DNA/RNA sequence
<400>   40
tttttggatc c                                                         11
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<400>   41
gggagatctt cgcttcaacg aagatctccc ggatccaaaa a                        41
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<223>   DNA/RNA Sequence
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gatccccnnn nnnnnnnnnn nnnnnntttt t                                   31
<210>   43
<211>   29
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<223>   DNA/RNA Sequence
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nnnnnnnnnn nnnnnnnnnt ttttggaaa                                      29
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<211>   27
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<223>   DNA/RNA Sequence
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gggnnnnnnn nnnnnnnnnn nnaaaaa                                        27
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<400>   45
nnnnnnnnnn nnnnnnnnna aaaacctttt cga                                 33
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